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United States Department of Agriculture,

DIVISION OF BOTANY.

LIST OF PUBLICATIONS OF THE DIVISION OF BOTANY.

There has been a demand from librarians and others, who are trying to secure complete sets of the publications of the Division of Botany, for a list of such publications to serve as a guide or check list. For the purpose of supplying this demand a list of the publications of the Division from its organization in 1869 to the close of the year 1900 was issued in May, 1901. This list is now revised so as to include all the reports published by the Division since that date. In 1901 the several Divisions engaged in different lines of plant investigations were organized into the Bureau of Plant Industry, and all reports such as were formerly issued as Bulletins or as Circulars of the different Divisions are now issued in one series as Bulletins of the Bureau of Plant Industry. The series of Bulletins of the Division of the Botany closed with Number 29.

Seven completed volumes of Contributions from the United States National Herbarium have been issued as publications of the Division of Botany. Through a special provision in the last sundry civil appropriation act the publication of the Contributions was transferred on July 1, 1902, to the United States National Museum. Subsequent volumes will therefore be issued from that institution.

All of the earlier publications are out of print, and also many of the recent ones, especially those of the technical series, which are issued in comparatively small editions.

ANNUAL REPORTS.

(The annual reports of the Chief of this Division are bound with those of the Secretary of Agriculture, and from 1886 to 1900 were also published in independent pamphlet form.)

Report of the Botanist for 1869. By C. C. Parry. In Annual Report of Commissioner of Agriculture for 1869. Pp. 91-96.

Report of the Botanist for 1870. By C. C. Parry. In Annual Report of Commissioner of Agriculture for 1870. Pp. 108-113.

No report printed in 1871.

Report of the Botanist for 1872. By George Vasey. In Annual Report of Commissioner of Agriculture for 1872. Pp. 157-179, pls. iv, v.

No report printed in 1873.

Report of the Botanist for 1874. By George Vasey. In Annual Report of the Commissioner of Agriculture for 1874. Pp. 156-160.

No report printed in 1875.

Report of the Botanist for 1876. By George Vasey. In Annual Report of Commissioner of Agriculture for 1876. Pp. 73, 74.

No report printed in 1877.

Report of the Botanist and Chemist on Grasses and Forage Plants. By George Vasey and Peter Collier. In Annual Report of Commissioner of Agriculture for 1878. Pp. 157-194, pls. i-xxv.

Report of the Botanist on Grasses. By George Vasey. In Annual Report of Commissioner of Agriculture for 1879. Pp. 349-359, pls. i-xxvii.

Report of the Botanist on Grasses. By George Vasey. In Annual Report of Commissioner of Agriculture for 1880. Pp. 375-386, pls. i-xxx.

Report of the Botanist for 1881. By George Vasey. In Annual Report of Commissioner of Agriculture for 1881-82. Pp. 231-255, pls. i-xxv.

Report of the Botanist for 1883. By George Vasey. In Annual Report of Commissioner of Agriculture for 1883. Pp. 83-98, pls. i-xxv.

Report of the Botanist for 1884. By George Vasey. In Annual Report of Commissioner of Agriculture for 1884. Pp. 123-136, pls. i-xx.

Report of the Botanist for 1885. By George Vasey. In Annual Report of Commissioner of Agriculture for 1885. Pp. 63-88, pls. i-xviii.

Report of the Botanist for 1886. By George Vasey. From Annual Report of Commissioner of Agriculture for 1886. Pp. 69-93, pls. i-xxi.

Report of the Botanist for 1887. By George Vasey. In Annual Report of Commissioner of Agriculture for 1887. Pp. 301-321, pls. i-xvii.

Report of the Botanist for 1888. By George Vasey. From Annual Report of Commissioner of Agriculture for 1888. Pp. 305-324, pls. i-xiii.

Report of the Botanist for 1889. By George Vasey. From Annual Report of the Secretary of Agriculture for 1889. Pp. 377-396, pls. i-xi.

Report of the Botanist for 1890. By George Vasey. From Annual Report of the Secretary of Agriculture for 1890. Pp. 375-392, pls. i-viii.

Report of the Botanist for 1891. By George Vasey. From Annual Report of the Secretary of Agriculture for 1891. Pp. 341-358, pls. i-x. (For partial reprint see p. 5.)

Report of the Botanist for 1892. By George Vasey. From Annual Report of the Secretary of Agriculture for 1892. Pp. 201-214, pls. i-ix.

Report of the Botanist for 1893. By Frederick V. Coville. From Annual Report of the Secretary of Agriculture for 1893. Pp. iii, 235-244. August, 1894.

- Report of the Botanist for 1894. By Frederick V. Coville. From Annual Report of the Secretary of Agriculture in Message and Documents for 1893-94. Pp. iii, 161-166. May, 1895.
- Report of the Chief of the Division of Botany for 1895. By Frederick V. Coville. From Report of the Secretary of Agriculture in Message and Documents for 1895. Pp. iii, 159-164. June, 1896.
- Report of the Botanist for 1896. By Frederick V. Coville. From Report of the Secretary of Agriculture in Message and Documents for 1896. Pp. iii, 95-102. February, 1897.
- Report of the Botanist for 1897. By Frederick V. Coville. From Annual Reports, Department of Agriculture, 1897. Pp. ii, 167-172. January, 1898.
- Report of the Botanist for 1898. By Frederick V. Coville. From Annual Reports, Department of Agriculture, 1898. Pp. iii, 153-158. December, 1898.
- Report of the Botanist for 1899. By Frederick V. Coville. From Annual Reports, Department of Agriculture, 1899. Pp. iii, 53-57. January, 1900.
- Report of the Botanist for 1900. By Frederick V. Coville. From Annual Reports, Department of Agriculture, 1900. Pp. iii, 91-101. January, 1901.

REPRINTS FROM YEARBOOK.

(Separates of papers published in the Yearbook are issued in small editions.)

- Pure Seed Investigations. By Gilbert H. Hicks. Pp. iii, 389-408, figs. 83-91. September, 1895. From Yearbook for 1894.
- Testing Seeds at Home. By A. J. Pieters. Pp. 175-184, figs. 23-25. June, 1896. From Yearbook for 1895.
- Oil-Producing Seeds. By Gilbert H. Hicks. Pp. 185-204, figs. 26-36. June, 1896. From Yearbook for 1895.
- Some Additions to Our Vegetable Dietary. By Frederick V. Coville. Pp. 205-214, figs. 37-45. June, 1896. From Yearbook for 1895.
- Two Hundred Weeds: How to Know Them and How to Kill Them. By Lyster H. Dewey. Pp. 21. July, 1896. From Yearbook for 1895.
- Some Common Poisonous Plants. By V. K. Chesnut. Pp. ii, 137-146, figs. 24-28. July, 1897. From Yearbook for 1896.
- Seed Production and Seed Saving. By A. J. Pieters. Pp. ii, 207-216, figs. 43-50. July, 1897. From Yearbook for 1896.
- Migration of Weeds. By Lyster H. Dewey. Pp. ii, 263-286, figs. 59-73. July, 1897. From Yearbook for 1896.
- The Superior Value of Large, Heavy Seed. By Gilbert H. Hicks and John C. Dabney. Pp. ii, 305-322, figs. 74-83. July, 1897. From Yearbook for 1896.
- Division of Botany. By Frederick V. Coville. Pp. iii, 92-99. May, 1898. From Yearbook for 1897.

- Additional Notes on Seed Testing. By Gilbert H. Hicks and Sothoron Key. Pp. ii, 441-452, figs. 14-16. June, 1898. From Yearbook for 1897.
- Weeds in Cities and Towns. By Lyster H. Dewey. Pp. ii, 193-200, figs. 45-49. May, 1899. From Yearbook for 1898.
- Can Perfumery Farming Succeed in the United States? By Edward S. Steele. Pp. ii, 377-398, figs. 95-101. May, 1899. From Yearbook for 1898.
- Grass Seed and its Impurities. By Gilbert H. Hicks. Pp. ii, 473-494, pls. xxxiii-xxxvii, figs. 123-124. May, 1899. From Yearbook for 1898.
- Seed Selling, Seed Growing, and Seed Testing. By A. J. Pieters. Pp. iii, 549-574, pls. xlvi-1, fig. 25. August, 1900. From Yearbook for 1899.
- Some Poisonous Plants of the Northern Stock Ranges. By V. K. Chesnut. Pp. iii, 305-324, pls. xxxii-xxxiv, figs. 39-42. July, 1901. From Yearbook for 1900.
- Testing Commercial Varieties of Vegetables. By W. W. Tracy, jr. Pp. iii, 543-550. July, 1901. From Yearbook for 1900.

MISCELLANEOUS REPORTS.

(The following reports prepared by the Botanist are not included in any of the regular series of the Division.)

- A Catalogue of the Forest Trees of the United States which Usually Attain a Height of Sixteen Feet or More, with Notes and Brief Descriptions of the More Important Species, Illustrating the Collection of Forest-Tree Sections on Exhibition by the Department of Agriculture at the Centennial Exhibition, Philadelphia. By George Vasey. Pp. 38. 1876. (Revised from Forest Trees of the United States, by George Vasey, in Annual Report of the Department of Agriculture for 1875. Pp. 151-186.)
- The Grasses of the United States: Being a Synopsis of the Tribes and Genera, with Descriptions of the Genera, and a List of the Species. By Dr. George Vasey, Botanist. Pp. 47. August 30, 1883. (Issued as Special Report No. 63.)
- A Descriptive Catalogue of the Grasses of the United States, including especially the Grass Collections at the New Orleans Exposition made by the U. S. Department of Agriculture, and the State Exhibits of Grasses, with Notes on such Species as are More or Less Employed in Agriculture, or Deserving of Trial for Cultivation. By Dr. George Vasey, Botanist. Pp. 110. 1885. (Published as a Report to the Representative of Department of Agriculture at the World's Industrial and Cotton Exhibition.)
- The Agricultural Grasses of the United States. By Dr. George Vasey, Botanist. Also the Chemical Composition of American Grasses. By Clifford Richardson, Assistant Chemist. Pp. 144, pls. 120. 1884.

The Agricultural Grasses and Forage Plants of the United States; and such Foreign Kinds as have been Introduced. By Dr. George Vasey, Botanist. With an Appendix on the Chemical Composition of Grasses. By Clifford Richardson. Pp. 148, pls. 114. 1889. (Issued as a Special Bulletin of the Division of Botany, Revised and Enlarged from *The Agricultural Grasses*, 1884.)

Grass and Forage Experiment Station at Garden City, Kansas. By J. A. Sewall. Cooperative Branch Stations in the South. By S. M. Tracy. Pp. 12. May, 1892. From Annual Report of the Botanist for 1891.

CONTRIBUTIONS FROM THE UNITED STATES NATIONAL HERBARIUM.

(This series is composed of papers of a technical character, treating principally of systematic botany.)

Vol. I, No. 1. List of Plants Collected by Dr. Edward Palmer, in 1883, in Southern California. List of Plants Collected by Dr. Edward Palmer, in 1889, at (1) Lagoon Head, (2) Cedros Island, (3) San Benito Island, (4) Guadalupe Island, (5) Head of the Gulf of California. By George Vasey and J. N. Rose. Pp. vii, 28. June 13, 1890.

Vol. I, No. 2. Upon a Collection of Plants made by G. C. Nealley, in the Region of the Rio Grande, Texas, from Brazos Santiago to El Paso County. By John M. Coulter. Pp. iii, 29-61. June 28, 1890.

Vol. I, No. 3. List of Plants Collected by Dr. Edward Palmer, in 1890, in Lower California and Western Mexico, at (1) La Paz, (2) San Pedro Martin [Martir] Island, (3) Raza Island, (4) Santa Rosalia and Santa Agueda, (5) Guaymas. By George Vasey and J. N. Rose. Pp. iii, 63-90, vi; pl. i. November 1, 1890.

Vol. I, No. 4. List of Plants Collected by Dr. Edward Palmer, in 1890, in Western Mexico and Arizona, at (1) Alamos, (2) Arizona. By J. N. Rose, Assistant Botanist. Pp. iii, 91-127, vii; pls. ii-xi. June 30, 1891.

Vol. I, No. 5. Lists of Plants Collected by Dr. Edward Palmer, in 1890, on Carmen Island. By J. N. Rose. List of Plants Collected by the U. S. S. Albatross, in 1887-91, along the Western Coast of America. By J. N. Rose, D. C. Eaton, J. W. Eckfelt, and A. W. Evans. Revision of the North American Species of *Hoffmanseggia*. By E. M. Fisher. Systematic and Alphabetic Index of New Species of North American Phanerogams and Pteridophytes published in 1891. By Josephine A. Clark. Pp. v, 129-188, x; pls. xii-xvi. September 20, 1892.

Vol. I, No. 6. List of Plants Collected by C. S. Sheldon and M. A. Carleton in the Indian Territory in 1891. By J. M. Holzinger. Observations on the Native Plants of Oklahoma Territory and Adjacent Districts. By M. A. Carleton. Pp. v, 189-232, ix; pls. xvii, xviii. December 6, 1892.

Vol. I, No. 7. Systematic and Alphabetic Index to New Species of North American Phanerogams and Pteridophytes published in 1892. By Josephine A. Clark. Pp. iii, 233-264, iii. July 15, 1893. Price 5 cents.¹

The numbers of Volume I were also issued under a single cover.

¹For sale by Superintendent of Documents, Union Building, Washington, D. C.

- Vol. I, No. 8. 1. Notes on Some Pacific Coast Grasses. By George Vasey. 2. Descriptions of New or Noteworthy Grasses from the United States. By George Vasey. 3. Descriptions of New Grasses from Mexico. By George Vasey. 4. Descriptions of New Plants from Texas and Colorado. By J. M. Holzinger. 5. List of Plants New to Florida. By J. M. Holzinger. 6. Descriptions of Three New Plants. By J. N. Rose. 7. List of Lichens from California and Mexico, Collected by Dr. Edward Palmer, from 1888 to 1892. By J. W. Eckfeldt. Pp. iii, 265-292, ii; pls. xix-xxiii. October 31, 1893.
- Vol. I, No. 9. Report on a Collection of Plants Made in the States of Sonora and Colima, Mexico, by Dr. Edward Palmer, in the years 1890 and 1891. By J. N. Rose. Pp. v, 293-434. Index to Vol. I. Pls. xxiv-xxxv, figs. 10. January 31, 1895. Price 20 cents.¹
- Vol. II, No. 1. Manual of the Phanerogams and Pteridophytes of Western Texas. Polypetalae. By John M. Coulter. Pp. v, 152, iv; pl. 1. June 27, 1891.
- Vol. II, No. 2. Manual of the Phanerogams and Pteridophytes of Western Texas. Gamopetalae. By John M. Coulter. Pp. x, 153-345; pls. ii-iii. July 1, 1892.
- Vol. II, No. 3. Manual of the Phanerogams and Pteridophytes of Western Texas. Apetalae, Monocotyledons, Pteridophyta. By John M. Coulter. Pp. v, 347-588. Index to Vol. II. May 10, 1894.
- Vol. II. The numbers were also issued under a single cover with the title, "Botany of Western Texas." Price, cloth, 50 cents; paper, 35 cents.¹
- Vol. III, No. 1. Monograph of the Grasses of the United States and British America. By George Vasey. Pp. xiv, 89. February 25, 1892.
- Vol. III, No. 2. Preliminary Revision of the North American Species of Cactus, Anhalonium, and Lophophora. By John M. Coulter. Pp. 91-132. June 10, 1894.
- Vol. III, No. 3. Flora of the Sand Hills of Nebraska. By P. A. Rydberg. Pp. v, 133-203, fig. 1; pls. i, ii. September 14, 1895.
- Vol. III, No. 4. Report on a Collection of Plants Made by J. H. Sandberg and Assistants in Northern Idaho in the Year 1892. By John M. Holzinger. Pp. v, 205-287, v; pls. iii, iv. November 23, 1895.
- Vol. III, No. 5. Report on Mexican Umbelliferae, Mostly from the State of Oaxaca. Recently Collected by C. G. Pringle and E. W. Nelson. By John M. Coulter and J. N. Rose. Descriptions of Plants, Mostly New, from Mexico and the United States. By J. N. Rose. Pp. v, 289-323, ii; pls. v-xvi. December 14, 1895.
- Vol. III, No. 6. Botany of Yakutat Bay, Alaska. By Frederick V. Coville. With a Field Report by Frederick Funston. Pp. iii, 325-353, ii. January 15, 1896.
- Vol. III, No. 7. Preliminary Revision of the North American Species of Echinocactus, Cereus, and Opuntia. By John M. Coulter. Pp. iii, 355-462, iv. April 1, 1896. Price 10 cents.¹

¹For sale by Superintendent of Documents, Union Building, Washington, D. C.

Vol. III, No. 8. Flora of the Black Hills of South Dakota. By P. A. Rydberg. Pp. iv, 463-536, iv; pls. xvii-xx. June 13, 1896. Price 10 cents.¹

Vol. III, No. 9. 1. Flora of Southwestern Kansas. Report on a Collection of Plants Made by C. H. Thompson in 1893. By A. S. Hitchcock. 2. *Crepis Occidentalis* and Its Allies. By Frederick V. Coville. 3. Plants from the Big Horn Mountains of Wyoming. By J. N. Rose. 4. *Leibergia*: A New Genus of Umbelliferae from the Columbia River Region. By John M. Coulter and J. N. Rose. 5. *Roseanthus*: A New Genus of Cucurbitaceae, from Acapulco, Mexico. Pp. v, 537-612, vii; pls. xxi-xxviii. Index to Volume III. August 5, 1896. Price 10 cents.¹ (Each of the five parts of Volume III, No. 9, was also published as a separate paper.)

The numbers of Vol. III were also issued under a single cover.

Vol. IV. Botany of the Death-Valley Expedition. A Report on the Botany of the Expedition sent out in 1891 by the U. S. Department of Agriculture to make a Biological Survey of the Region of Death Valley, California. By Frederick V. Coville. Pp. 363, pls. 22, map 1. November 29, 1893. Price 60 cents.¹

Vol. V, No. 1. General Report on a Botanical Survey of the Cœur d'Alene Mountains in Idaho during the Summer of 1895. By John B. Leiberger. Pp. v, 85, map 1. January 25, 1897. Price 10 cents.¹

Vol. V, No. 2. Notes on the Plants used by the Klamath Indians of Oregon. By Frederick V. Coville. Pp. v, 87-108, ii. June 9, 1897. Price 5 cents.¹

Vol. V, No. 3. Studies of Mexican and Central American Plants. By J. N. Rose. Pp. vii, 109-144, i; pls. ii-xvii, figs. 6. August 27, 1897. Price 10 cents.¹

Vol. V, No. 4. Studies of Mexican and Central American Plants. No. 2. By J. N. Rose. Two New Species of Plants from the Northwestern United States. By L. F. Henderson. *Hesperogenia*: A New Genus of Umbelliferae from Mount Rainier. By J. M. Coulter and J. N. Rose. Three New Species of *Tradescantia* from the United States. By J. N. Rose. *Treleasea*: A New Genus of Commelinaceae. By J. N. Rose. Notes on Useful Plants of Mexico. By J. N. Rose. Pp. viii, 145-259, viii; pls. xviii-lxiv, figs. 7-32. October 31, 1899.

Notes on Useful Plants of Mexico. By J. N. Rose. Pp. iv, 209-259, vii; pls. xxviii-lxiv, figs. 31, 32. From Contr. Nat. Herb., V, No. 4. April, 1900. Price 20 cents.¹

Vol. V, No. 5. Plant Covering of Ocracoke Island: A Study in the Ecology of the North Carolina Strand Vegetation. By Thomas H. Kearney, jr. Pp. iv, 262-319, figs. 33-50. August 1, 1900. Price 5 cents.¹

Vol. V, No. 6. Report on a Botanical Survey of the Dismal Swamp Region. By Thomas H. Kearney, jr. Pp. x, 321-585, pls. lxx-lxxvii, figs. 51-90, maps 2. November 6, 1901.

¹ For sale by Superintendent of Documents, Union Building, Washington, D. C.

Vol. VI. Plant Life of Alabama. By Charles Mohr, Ph. D. Pp. 921, pls. 13. July 31, 1901.

Vol. VII, No. 1. Monograph of the North American Umbelliferae. By John M. Coulter and J. N. Rose. Pp. 256, vii; pls. i-ix, figs. 1-65. December 31, 1900.

Vol. VII, No. 2. The Origin and Distribution of the Cocoa Palm. By O. F. Cook. Pp. 257-293. September 24, 1901. Price 5 cents.¹

Vol. VII, No. 3. Plants Used by the Indians of Mendocino County, California. By V. K. Chesnut. Pp. 295-408, pls. x-xxi, figs. 66-78. January 24, 1902. Price 15 cents.¹

An index, title page, and other introductory pages for Volume VII were issued August 23, 1902.

BULLETINS.

(This series contains papers treating chiefly of economic botany.)

No. 1. Report of an Investigation of the Grasses of the Arid Districts of Kansas, Nebraska, and Colorado. By George Vasey. Pp. 19, pls. 13. 1886.

No. 2. Report on the Fungus Diseases of the Grapevine. By F. Lamson-Scribner. App. A, B, C. Col. pls. 7. 1886. (Section of Plant Pathology.)

No. 3. Grasses of the South. A Report on Certain Grasses and Forage Plants for Cultivation in the South and Southwest. By George Vasey. Pp. 63, pls. 16. 1887.

No. 4. Desiderata of the Herbarium for North America North of Mexico. Ranunculaceae to Rosaceae, inclusive. By George Vasey. Pp. 15. 1887. (Distributed among botanists with the purpose of obtaining specimens.)

No. 5. Report on the Experiments made in 1887 in the Treatment of Downy Mildew and Black Rot of the Grapevine, with a Chapter on the Apparatus for Applying Remedies for these Diseases. By F. Lamson-Scribner. Pp. 113, figs. 24. 1888. (Section of Vegetable Pathology.)

No. 6. Grasses of the Arid Districts. Report of an Investigation of the Grasses of the Arid Districts of Texas, New Mexico, Arizona, Nevada, and Utah in 1887. By G. C. Nealley and S. M. Tracy. Pp. 61, pls. 30. 1888. Price 10 cents.¹

No. 7. Black Rot (*Laestadia bidwellii*). By F. Lamson-Scribner and Pierre Viala. Pp. 29, pl. 1. 1888. (Section of Vegetable Pathology.)

No. 8. A Record of Some of the Work of the Division, Including Extracts from Correspondence and Other Communications. By George Vasey and B. T. Galloway. Pp. 67. February, 1889. Price 5 cents.¹

No. 9. Peach Yellows: A Preliminary Report. By Erwin F. Smith. Pp. 254, pls. 37, maps 8. March, 1889. (Section of Vegetable Pathology.)

¹ For sale by Superintendent of Documents, Union Building, Washington, D. C.

- No. 10. Report on the Experiments made in 1888 in the Treatment of the Downy Mildew and Black Rot of the Grapevine. Pp. 61, pls. 2. May, 1889. (Section of Vegetable Pathology.)
- No. 11. Report on the Experiments made in 1889 in the Treatment of Fungus Diseases of Plants. By B. T. Galloway. Pp. 119, pls. 8. May, 1890. (Section of Vegetable Pathology.)
- No. 12. Grasses of the Southwest. Plates and Descriptions of the Grasses of the Desert Region of Western Texas, New Mexico, Arizona, and Southern California. By George Vasey. In two parts. Part 1, issued October 1890, pp. 109, pls. i-l. Part 2, December, 1891, pp. 108, pls. i-l.
- No. 13. Grasses of the Pacific Slope, Including Alaska and the Adjacent Islands. Plates and Descriptions of the Grasses of California, Oregon, Washington, and the Northwestern Coast, including Alaska. By George Vasey. In two parts. Part 1, issued October, 1892, pp. 108, pls. i-l. Part 2, May 1893, pp. 108, pls. li-c.
- Extra editions of Bulletins Nos. 12 and 13 have been issued as Volumes 1 and 2 of a work entitled Illustrations of North American Grasses.
- No. 14. Ilex Cassine, The Aboriginal American Tea: Its History, Distribution, and Use Among the North American Indians. By E. M. Hale. Pp. 22, pl. 1, fig. 1. November, 1891.
- No. 15. The Russian Thistle: Its History as a Weed in the United States; with an Account of the Means Available for its Eradication. By Lyster H. Dewey. Pp. 32, pls. 3, maps 2. June 1894.
- No. 16. American Ginseng: Its Commercial History, Protection, and Cultivation. By G. V. Nash. Pp. 22, figs. 2. February, 1895.
- Same*, Revised and extended by Maurice G. Kains. Pp. 32, figs. 5. April, 1898.
- Same*, Reprinted with a new introductory note by Frederick V. Coville, dated January 3, 1902. Price 5 cents.¹
- No. 17. Legislation Against Weeds. By Lyster H. Dewey. Pp. 60. January, 1896. Price 5 cents.¹
- No. 18. The Water Hyacinth, and its Relation to Navigation in Florida. By Herbert J. Webber. Pp. 20, pl. 1, figs. 4. June, 1897. Price 5 cents.¹
- No. 19. Chicory Growing as an Addition to the Resources of the American Farmer. By Maurice G. Kains. Pp. 52, figs. 12. May, 1898. Price 5 cents.¹
- No. 20. Principal Poisonous Plants of the United States. By V. K. Chesnut. Pp. 60, figs. 34. July, 1898. Price 5 cents.¹
- No. 21. Vanilla Culture as Practiced in the Seychelles Islands. By S. J. Galbraith. Pp. 24, pl. 1, figs. 2. January, 1899. Price 5 cents.¹
- No. 22. The Present Status of Rice Culture in the United States. By S. A. Knapp. Pp. 56, pls. 3. December, 1899. Price 10 cents.¹

¹For sale by Superintendent of Documents, Union Building, Washington, D. C.

- No. 23. Russian Cereals Adapted for Cultivation in the United States. By Mark Alfred Carleton. Pp. 42, pls. 2, figs. 2. February, 1900. Price 5 cents.¹
- No. 24. The Germination of Seeds as Affected by Certain Chemical Fertilizers. By Gilbert H. Hicks. Pp. 15, pls. 2. April, 1900.
- No. 25. Shade in Coffee Culture. By O. F. Cook, Special Agent for Tropical Agriculture. Pp. 79, pls. 16. May, 1901. Price 15 cents.¹
- No. 26. The Stock-Poisoning Plants of Montana. A Preliminary Report by V. K. Chesnut and E. V. Wilcox. Pp. 150, frontispiece, pls. 36. April, 1901. Price 25 cents.¹
- No. 27. Seeds of Commercial Saltbushes. By G. N. Collins. Pp. 28, pls. 8. October, 1901. Price 15 cents.¹
- No. 28. The Chayote: A Tropical Vegetable. By O. F. Cook, Special Agent for Tropical Agriculture. Pp. 31, pls. 8. October, 1901. Price 10 cents.¹
- No. 29. The Seed Coats of Certain Species of the Genus *Brassica*. By A. J. Pieters and Vera K. Charles. Pp. 19, pl. 1, figs. 6. November, 1901. Price 5 cents.¹

CIRCULARS.

(Most papers published in this series contain information about economic plants, the treatment being in a brief popular style and intended for wide circulation.)

- No. 1. Hungarian Brome Grass. By F. Lamson-Scribner. Pp. 4, fig. 1. May, 1894.
- No. 2. Nut Grass. By L. H. Dewey. Pp. 4, fig. 1. October, 1894.
- No. 3. The Russian Thistle. By L. H. Dewey. Pp. 8, figs. 3. January, 1895.
Revised Edition. November, 1895.
- No. 4. The Flat Pea. By F. Lamson-Scribner. Pp. 7, figs. 2. March, 1895.
- No. 5. Giant Knotweed, or Sachaline. By F. Lamson-Scribner. Pp. 4, figs. 3. March, 1895.
- No. 6. Standards of the Purity and Vitality of Agricultural Seeds. By Gilbert H. Hicks. Pp. 4. May, 1896.
- No. 7. Tumbling Mustard (*Sisymbrium altissimum*). By Lyster H. Dewey. Pp. 8, figs. 3. June, 1896.
Revised Edition. August, 1896.
- No. 8. Crimson Clover Hair Balls. By Frederick V. Coville. Pp. 4, figs. 3. July, 1896.
- No. 9. Wild Garlic. By Lyster H. Dewey. Pp. 8, figs. 3. February, 1897.
Revised Edition. June, 1900.

¹For sale by Superintendent of Documents, Union Building, Washington, D. C.

No. 10. Three New Weeds of the Mustard Family. By Lyster H. Dewey. Pp. 6, figs. 3. May, 1897.

No. 11. The Vitality of Seeds Treated with Carbon Bisulphide. By Gilbert H. Hicks and John C. Dabney. Pp. 5. January, 1897.

No. 12. The Camphor Tree. By Lyster H. Dewey. Pp. 8, figs. 2. August, 1897.

Revised Edition. October, 1897.

No. 13. Observations on Recent Cases of Mushroom Poisoning in the District of Columbia. By Frederick V. Coville. Pp. 21, figs. 21. December, 1897.

Revised Edition. Pp. 24, figs. 27. February, 1898.

Third Revised Edition. June, 1899.

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